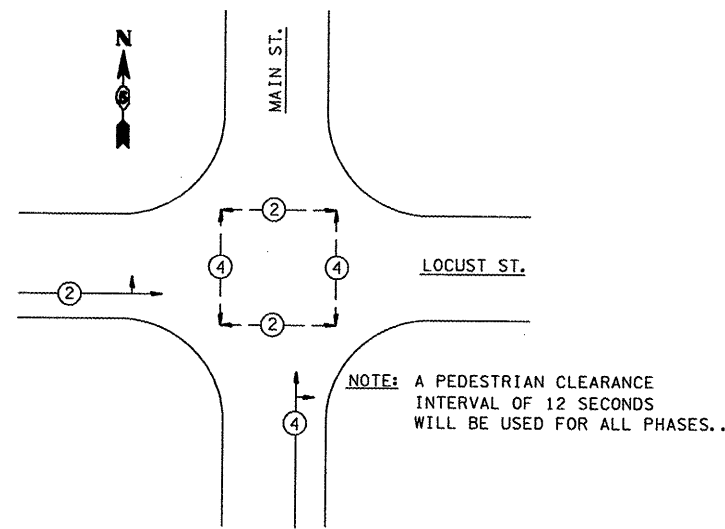


**PHASE DESIGNATION DIAGRAM**



**ITEMS TO BE RETURNED TO THE CITY OF BLOOMINGTON  
U.S. 51 BR (CENTER) & LOCUST ST.**

ITEM	QUANTITY
CONTROLLER CABINET & PERIPHERAL EQUIPMENT	1
CONTROLLER	1
MAST ARM ASSEMBLIES & POLES	3
TRAFFIC SIGNAL POSTS & BASES	3
TRAFFIC & PEDESTRIAN SIGNAL HEADS	16
SIGNAL HEAD BRACKETS	16

**GENERAL NOTES**

1. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
2. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
3. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
4. ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. NOTED ITEMS TO BE RETURNED TO THE DEPARTMENT OF TRANSPORTATION SHALL BE STORED ON THE JOBSITE AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION

**BILL OF MATERIALS**

U.S. 51 BR (MAIN ST.) & LOCUST ST.

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	32
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	6
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	7
CONDUIT, AUGERED 2" DIA., PVC	FOOT	54
CONDUIT, AUGERED 3" DIA., PVC	FOOT	243
CONDUIT SPLICE	EACH	1
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	30
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 4C	FOOT	515
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	960
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	458
ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 18 3 PAIR	FOOT	1365
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9.3
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	6
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2027
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	55
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
CONCRETE ISLAND (SPECIAL)	SQ FT	56
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	387

**TRAFFIC SIGNAL PLAN NOTES**

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (B1, B2), (C1, C2) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.
2. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
4. ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
5. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
6. THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.

FILE NAME =	USER NAME = biggsrd	DESIGNED - RDB	REVISED -
c:\projects\0906207 (v8)\locust_street.dgn		DRAWN - RDB	REVISED -
PLOT SCALE = 1/8" = 1' IN.		CHECKED -	REVISED -
PLOT DATE = 3/26/2008		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
730	(61,62)TS	MCLEAN	13	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70682	
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.